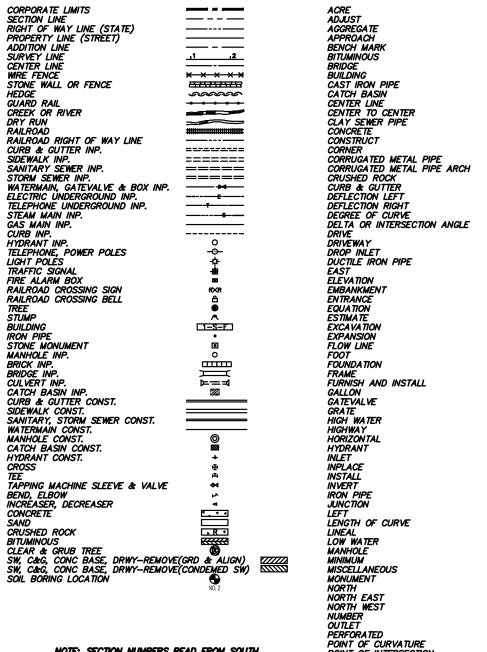
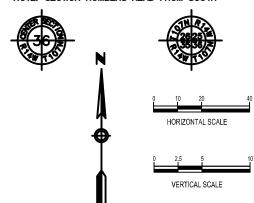
CONVENTIONAL SIGNS AND ABBREVIATIONS



NOTE: SECTION NUMBERS READ FROM SOUTH





WEST, WATER

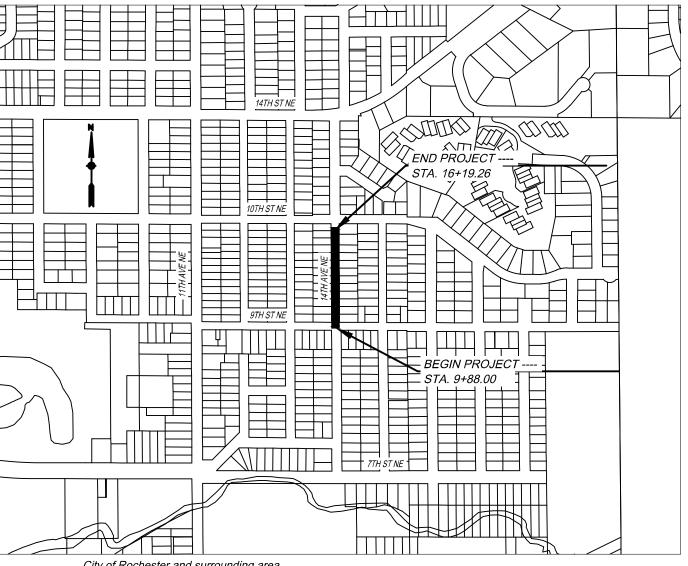


City of Rochester, Minnesota

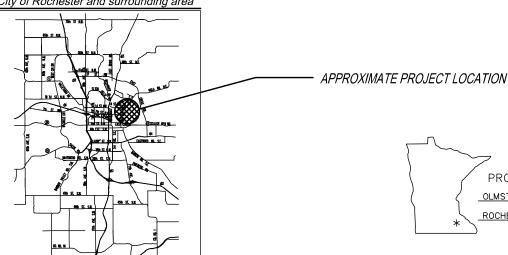
Department Of Public Works

RECONSTRUCT SANITARY SEWER IN 14TH AVE NE FROM 9TH ST TO 10TH ST NE

TOWNSHIP 107N RANGE 14W SECTION



City of Rochester and surrounding area





GOVERNING SPECIFICATIONS

The 2005 edition of the Minnesota Department of Transportation "Standard Specifications for Construction" shall govern except as modified

City of Rochester, Minnesota

- General Requirements and Covenants for Public Works Construction, 2000 edition.
- S100 Standard Specifications for Sewer
- C150 Standard Specifications for Construction of Service Connections.
- W200 Standard Specifications for Watermain
- T100 Standard Specifications for Trench Excavation, Backfill & Surface Restoration
- C700 Standard Specifications for Sidewalk Construction.

UTILITY QUALITY LEVEL

The subsurface utility information in this plan is quality level \underline{D} This quality level was determined according to the guidelines of CI/ASCE 38-2, entitled "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data."

INDEX TO PLA	NS
Sheet Title	Sht. No.
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TURF ESTABLISHMENT	
STRIPING	
SIGNAL PLANS	
CROSS SECTIONS	

This plan contains 8 Total sheets



City of Rochester, Minnesota Department Of Public Works

201 4th Street S.E. Room 108 - City Hall Rochester, MN 55904 Phone: (507) 287-7800 Fax: (507) 281-6216

	r: I hereby certify that this plan was prepared by me nd that I am a duly Licensed Professional Engineer Minnesota.	
Date:	Registration Number	24
Approved: Douglas Nelso	n, Assist. City of Rochester Engineer	Date
Approved: Douglas Nelso	n, Assist. City of Rochester Engineer	Date

J 7786

Alvin L. Horstmann , Design Technician

Project No 6314-1-09

Sheet 1 of 8 Sheets

1)	BASIS	OF	QUANTITY:	439 CL	YDS ((CV)	CLASS	7 AGGREGATE,	164	TON BIT WEARING,	327 TON B	BIT NON-WE	ARING
2)	COMM	ON	EXCAVATIO	INCL	UDED	IN T	RENCH	EXCAVATION					

ADDRESS	STATION-LOCATION	SAN	RECONNECT
904 14TH AVE NE	10+90.1-CL	X	1
905 14TH AVE NE	10+87.2-CL	X	1
908 14TH AVE NE	11+37.0-CL	Х	1
909 14TH AVE NE	11+33.9-CL	Х	1
912 14TH AVE NE	11+86.5-CL	X	1
913 14TH AVE NE	11+83.7-CL	Х	1
916 14TH AVE NE	12+30.2-CL	X	1
917 14TH AVE NE	12+27.3-CL	X	1
920 14TH AVE NE	12+79.9-CL	X	1
921 14TH AVE NE	13+07.2-CL	X	1
924 14TH AVE NE	13+30.0-CL	X	1
925 14TH A V E NE	13+26.8-CL	X	1
928 14TH AVE NE	13+82.1-CL	X	1
929 14TH AVE NE	13+79.7-CL	Х	1
932 14TH AVE NE	14+25.7-CL	X	1
933 14TH AVE NE	14+23.0-CL	X	1
936 14TH AVE NE	14+72.5-CL	Х	1
937 14TH AVE NE	14+69.8-CL	X	1
941 14TH AVE NE	15+24.3-CL	X	1
942 14TH AVE NE	15+24.3-CL	X	1
945 14TH AVE NE	15+66.5-CL	X	1
948 14TH AVE NE	16+00.4-CL	Х	1
1314 10TH ST NE	16+01.9-CL	X	1
10	TALS		23

EROSIOI	V CONTROL (I)	
LOCATION	TEMPORARY ROCK CONSTRUCTION ENTRANCE	INLET PROTECTION TYPE C
	EACH	EACH
10+00	1	
10+31.1-15.1' LT		1
10+31.3-15.4' RT		1
16+25	1	
	2	2

8 FT. OF NEW SERVICE PIPE MATERIAL. SERVICE PIPE MATERIAL AND SIZE ARE UNKNOWN - VERIFY IN FIELD).

RECONNECT INCLUDES WYES, SLEEVES, TEES, BENDS AND UP TO

EXIST. C&G	EXISTING BIT SURFACE 1 1/2" BIT (SPWEA230B) 2 1/2" BIT (SPNWEA230B) 8" RECLAIMED AGG. BASE CLASS VII	EXIST. C&G
	TYPICAL SEC	
	<u>TYPICAL SEC</u> BITUMINOUS RO	

RECLAIMATION & RESTORATION

	CONTRO	L & TRAVERSE POINT	rs (B)	
NODE ID	LOCATION	DESCRIPTION	NORTHING	EASTING
1	10+24.69-323.31' RT	FORE SIGHT	172769.47	624248.8
2	10+25.34-25.27' RT	BLOCK CORNER	172768.92	623950.7
3	10+75.29-25.22' RT	PROPERTY CORNER	172818.87	623950.5
4	12+66.01-25.04' RT	PROPERTY CORNER	173009.60	623949.5
5	13+61.38-24.78' RT	PROPERTY CORNER	173104.98	623948.9
6	14+09.10-24.91' RT	PROPERTY CORNER	173152.70	623948.8
7	14+56.64-24.91' RT	PROPERTY CORNER	173200.24	623948.5
8	16+36.25-25.03' LT	PROPERTY CORNER	173379.57	623897.7
9	15+91.74-25.02 LT	PROPERTY CORNER	173335.09	623897.9
10	14+09.22-24.96' LT	PROPERTY CORNER	173152.57	623898.9
11	15+69.57-24.97' RT	PROPERTY CORNER	173313.17	623948.0
12	16+35.38-25.21' RT	PROPERTY CORNER	173379.00	623947.9

	STANDARD DETAIL PLATES (A)				
	CITY OF ROCHESTER				
NO.	DETAIL PLATE				
1-03	STRUCTURE TYPES 3 AND 3 A				
1-07	MANHOLE WATERPROOFING				
1-11	CASTING SCHEDULE				
1-12	STRUCTURE ADJUSTING RINGS				
3-01	TYPICAL SECTION ROADWAY				
4-01	SERVICE CONNECTIONS STUBBED INTO BOULEVARD				
4-02	STANDARD 4IN. RISER				
6-04	HYDRANT BRANCH DETAIL				
7-05	INLET PROTECTION				
7-06	TEMPORARY ROCK CONSTRUCTION ENTRANCE				

STATION-LOCATION	GATE VALVE	HYD	CURB BOX	SERV. SIZE
9+75.22-5.25' LT	X			
10+11.84-25.30' RT	X			
10+12.26-29.82 LT	X			
10+16.36-25.35 LT	X			
10+19.01-25.34 LT		Χ		
10+25.05-10.27 LT	X			
11+54.97-18.77' LT			X	3/4" COPPER
12+37.51-19.29' RT			X	3/4" COPPER
12+50.13-18.96 LT			X	3/4" COPPER
12+95.64-20.58' RT			X	3/4" COPPER
13+01.47-19.55' LT			X	3/4" COPPER
13+10.34-10.82' LT	X		141	
13+32.82-19.01' LT			X	3/4" COPPER
13+83.46-18.98' LT			X	3/4" COPPER
13+85.01-20.29' RT			X	3/4" COPPER
14+24.00-19.29 LT			X	3/4" COPPER
14+71.18-18.30' LT			X	3/4" COPPER
14+76.87-18.29' RT			X	3/4" COPPER
15+23.43-19.56 LT			X	3/4" COPPER
15+28.78-19.91' RT			X	3/4" COPPER
15+69.98-20.11 LT			X	3/4" COPPER
16+01.10-20.38' RT			X	3/4" COPPER
16+34.45-17.99 LT		X		

CONSTR	UCT SANITA	RY SEWER I	PIPE (H)
FROM	то	PIPE SIZE (LIN. FT.) 12" ALT.	SLOPE (%) C.C.
MH NO1	MH NO 2	360.38	0.42
MH NO 2	MH NO 3	246.88	2.13
TOT	ALS	607.26	

INPLACE SANITARY SEWER STRUCTURES (C)								
STATION-LOC ATION	STRUC T TYPE	INPLACE CASTING EL.	REMOVE MH	INLEL	INLEL	INVEL	OUTL EL	OUTL EL
10+00-CL	MH	1003.28	X	994.89-N	994.96-E	7	994.88-W	995.25-S (RELIEF)
13+60.38-CL	MH	1005.34	X			996.42		
16+07.26-CL	MH	1010.25	X			1001.68		
TOTALS			3					

INPLACE STORM SEWER STRUCTURES (D)									
STATION-LOCATION	STRUC T TYPE	INPLACE CASTING EL.		INLEL	INLEL	INLEL	INV EL	OUTLEL	REMARKS
9+83.30-40.04' RT	СВ	1002.21							
9+92.56-13.24' RT	MH	1003.24	X	998.12-12"	997.35-30"	996.48-42"		995.95-48"	ADJUST TO FIN. GRADE
10+17.08-35.10' RT	CB	1002.33							
10+25.40-5.33' RT	MH	1002.9	X	997.70-21"	998.07-12"	998.03-12"		997.47-30"	ADJUST TO FIN. GRADE
10+30.57-15.81 LT	CB	1002.33						998.79	
10+31.22-16.28' RT	CB	1002.35						998.91	
13+76.14-5.21' RT	MH	1005.38	X				999.38		ADJUST TO FIN. GRADE
16+34.60-5.04' RT	MH	1010.44		1005.38-12"	1004.83-18"	1004.73-18"		1004.48-21"	

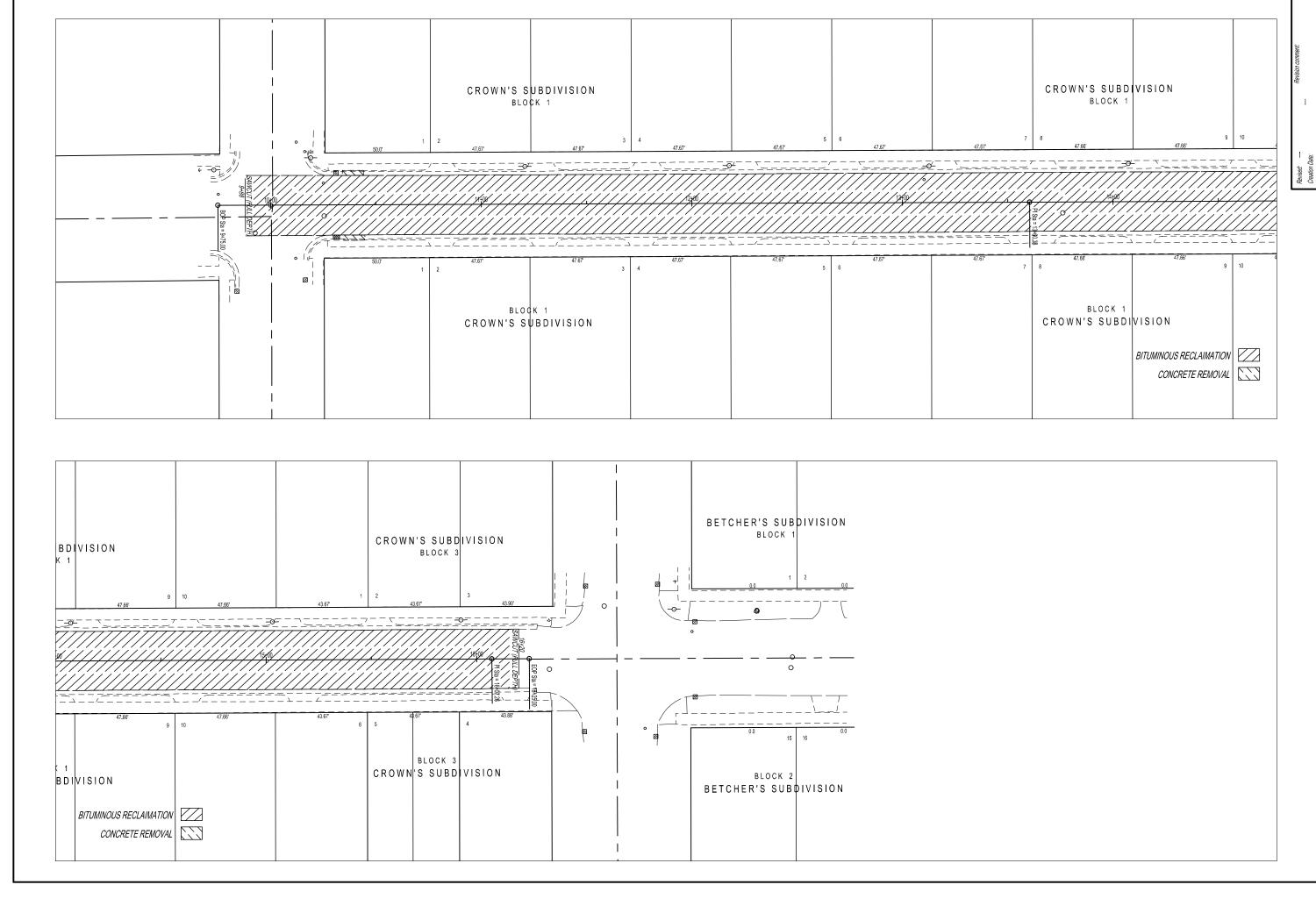
CONSTRUCT SANITARY SEWER STRUCTURES (G)										
NO.	STATION-LOCATION	TYPE 3 6'-10'	CAST. EL.	CAST. ASSEM.	C-INL EL	C-INL EL	C-OUTL EL	C-OUTL EL	C-INVEL	
MH NO1	10+00-CL	1	1003.25	1	994.89-N	994.96-E	994.88-W	995.25-S (RELIEF)		
MH NO 2	13+60.38-CL	1	1004.84	1					996.42	
MH NO3	16+07.26-CL	1	1010.18	1					1001.68	
	TOTALS	3								

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ESTIMATED QUANTITIES, TYPICAL SECTION AND TABULATIONS

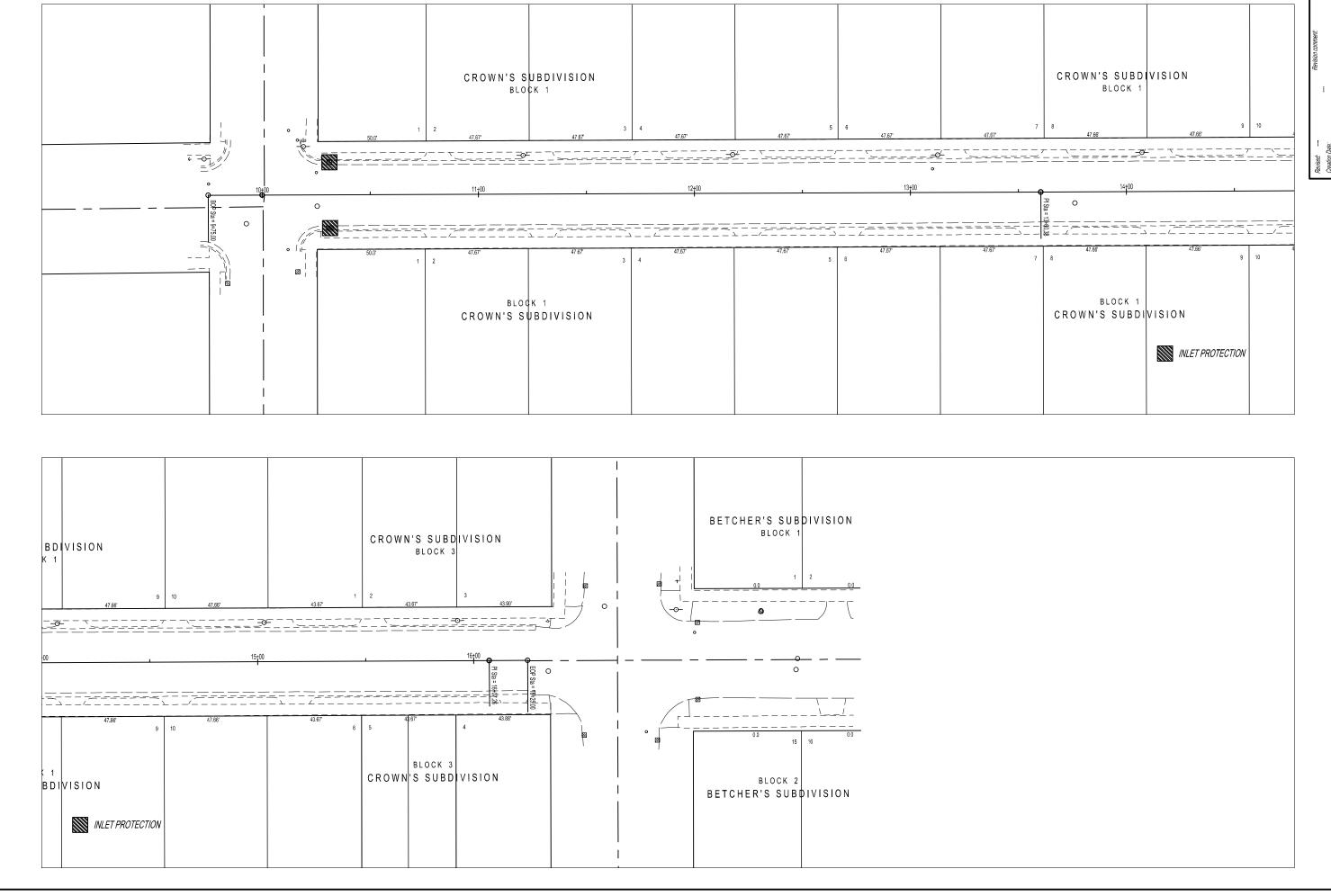
6314-1-09 of 8 Shee Project No. Sheet 2 c



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BITUMINOUS RELAMATION ON 14TH AVE NE FROM 9TH ST TO 10TH ST NE

Project No. 6314-1-09 Sheet 3 of 8 Sheets



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EROSION CONTROL ON 14TH AVE NE FROM 9TH ST TO 10TH ST NE

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Project No. 6314-1-09 Sheet 4 of 8 Sheets

